



Determine which choice best shows the distributive property of multiplication.

Answers

- 1) A.  $6 \times (10 + 7) = (6 \times 10) + (6 \times 7)$   
 B.  $6 \times (10 \times 7) = (6 \times 10) \times 7$   
 C.  $1 \times 6 = 6$   
 D.  $6 \times 10 = 10 \times 6$

- 2) A.  $4 \times (10 \times 3) = (4 \times 10) \times 3$   
 B.  $4 \times 10 = 10 \times 4$   
 C.  $4 \times (10 + 3) = (4 \times 10) + (4 \times 3)$   
 D.  $1 \times 4 = 4$

- 3) A.  $8 \times 1 = 1 \times 8$   
 B.  $8 \times (1 + 9) = (8 \times 1) + (8 \times 9)$   
 C.  $8 \times (1 \times 9) = (8 \times 1) \times 9$   
 D.  $1 \times 8 = 8$

- 4) A.  $4 \times 1 = 4$   
 B.  $(4 \times 9) \times 2 = 4 \times (9 \times 2)$   
 C.  $4 \times 9 = 9 \times 4$   
 D.  $(4 \times 9) + (4 \times 2) = 4 \times (9 + 2)$

- 5) A.  $(6 \times 5) \times 2 = 6 \times (5 \times 2)$   
 B.  $6 \times 1 = 6$   
 C.  $6 \times 5 = 5 \times 6$   
 D.  $(6 \times 5) + (6 \times 2) = 6 \times (5 + 2)$

- 6) A.  $7 \times 4 = 4 \times 7$   
 B.  $1 \times 7 = 7$   
 C.  $7 \times (4 \times 1) = (7 \times 4) \times 1$   
 D.  $7 \times (4 + 1) = (7 \times 4) + (7 \times 1)$

- 7) A.  $8 \times 1 = 8$   
 B.  $(8 \times 9) + (8 \times 6) = 8 \times (9 + 6)$   
 C.  $(8 \times 9) \times 6 = 8 \times (9 \times 6)$   
 D.  $8 \times 9 = 9 \times 8$

- 8) A.  $(9 \times 2) + (9 \times 7) = 9 \times (2 + 7)$   
 B.  $9 \times 1 = 9$   
 C.  $9 \times 2 = 2 \times 9$   
 D.  $(9 \times 2) \times 7 = 9 \times (2 \times 7)$

- 9) A.  $0 \times (10 \times 8) = (0 \times 10) \times 8$   
 B.  $1 \times 0 = 0$   
 C.  $0 \times (10 + 8) = (0 \times 10) + (0 \times 8)$   
 D.  $0 \times 10 = 10 \times 0$

- 10) A.  $(8 \times 7) + (8 \times 4) = 8 \times (7 + 4)$   
 B.  $8 \times 1 = 8$   
 C.  $(8 \times 7) \times 4 = 8 \times (7 \times 4)$   
 D.  $8 \times 7 = 7 \times 8$

- 11) A.  $(3 \times 2) \times 4 = 3 \times (2 \times 4)$   
 B.  $3 \times 2 = 2 \times 3$   
 C.  $3 \times 1 = 3$   
 D.  $(3 \times 2) + (3 \times 4) = 3 \times (2 + 4)$

- 12) A.  $1 \times 1 = 1$   
 B.  $1 \times 2 = 2 \times 1$   
 C.  $1 \times (2 + 0) = (1 \times 2) + (1 \times 0)$   
 D.  $1 \times (2 \times 0) = (1 \times 2) \times 0$

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Answers

1.     **A**    

2.     **C**    

3.     **B**    

4.     **D**    

5.     **D**    

6.     **D**    

7.     **B**    

8.     **A**    

9.     **C**    

10.     **A**    

11.     **D**    

12.     **C**